

PCTWORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : H04N 9/806	A1	(11) International Publication Number: WO 99/53694 (43) International Publication Date: 21 October 1999 (21.10.99)
(21) International Application Number: PCT/JP99/01811 (22) International Filing Date: 6 April 1999 (06.04.99) (30) Priority Data: 10/95661 8 April 1998 (08.04.98) JP (71) Applicant: MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD. [JP/JP]; 1006, Oaza Kadoma, Kadoma-shi, Osaka 571-8501 (JP). (72) Inventors: OKADA, Tomoyuki; 6-6-101, Myokenzaka, Katano-shi, Osaka 576-0021 (JP). MURASE, Kaoru; 2-8-29-105, Meyasukita, Ikaruga-cho, Ikoma-gun, Nara 636-0133 (JP). TSUGA, Kazuhiro; 9-33, Tsutsujigaoka, Hanayashiki, Takarazuka-shi, Hyogo 665-0803 (JP). (74) Agents: AOYAMA, Tamotsu et al.; Aoyama & Partners, IMP Building, 3-7, Shiromi 1-chome, Chuo-ku, Osaka-shi, Osaka 540-0001 (JP).		(81) Designated States: CN, ID, KR, MX, SG. Published <i>With international search report.</i>
(54) Title: OPTICAL DISC, OPTICAL DISC RECORDING METHOD AND APPARATUS, AND OPTICAL DISC REPRODUCING METHOD AND APPARATUS <div style="text-align: center;"> <p>COMBINED VOB</p> <p>SCR1 PTS1/DTS1 SCR2 SCR3 PTS3</p> <p>ST1 SCR2 + $T_p \leq$ SCR3 ST2</p> </div>		
(57) Abstract <p>An optical disc that is reproducible by a reproducing apparatus has a still picture data and an audio data which are reproduced simultaneously. The still picture data is stored in a video part stream (ST1) comprising a plurality of units, and the audio data is stored in a second system stream (ST2) comprising one or a plurality of units. The units store time stamp information so that the second system stream (ST2) follows immediately after the video part stream (ST1). By changing the data in the second system stream (ST2), the audio data presented with a still picture can be freely and easily changed even after recording the still picture data using an MPEG standard format.</p>		